

# **METHOD AND APPARATUS FOR DETECTING MOTION-INDUCED ARTIFACTS IN VIDEO DISPLAYS**

## **ABSTRACT**

One embodiment of the present invention provides a system that tests the motion performance of an electronic display system, wherein the electronic display system is comprised of a display, graphics processing software, graphics processing circuitry, and an interface coupling the display and the graphics processing circuitry. The system starts by receiving a request to measure an amount of distortion of an object in motion. In response to the request, the system measures the amount of distortion of the object in motion. In a variation on this embodiment, measuring the amount of distortion of the object in motion involves placing a ruler on a boundary of the object where the distortion occurs, increasing the width of the ruler until it covers the distortion, and then measuring the width to determine the size of the distortion.